SBIR/STTR

General Program Info

The Small Business Innovation Research (SBIR) program was created by the Small Business Innovation Development Act of 1982 (P.L. 97-219), reauthorized until September 30, 2000 by the Small Business Research and Development Enhancement Act (P.L. 102-564), and reauthorized again until September 30, 2008 by the Small Business Reauthorization Act of 2000 (P.L. 106-554).

The STTR program was created by Title II of the Small Business Research and Development Enhancement Act of 1992 (P.L. 102-564), reauthorized until the year 2001 by the Small Business Reauthorization Act of 1997 (P.L. 105-135), and reauthorized again until September 30, 2009, by the Small Business Technology Transfer Program Reauthorization Act of 2001 (P.L. 107-50).

Federal Requirements

- Federal agencies with extramural R&D budgets over $100 million were required to establish an SBIR program using a set-aside of a stated percentage of that budget.

- The percentage grew from an initial 0.2% in Fiscal Year (FY) 1983 to the maximum of 2.5% in FY 1997.

Atmospheric Measurement Technology (Topic 6)

a. Optical Methods for Ultra-Sensitive Trace Gas Measurements
b. DIAL Water Vapor Profiling System
c. High Accuracy Absolute Measurement of Infrared Radiation at the Surface
d. Instrumentation for Characterizing Organic Substances in Aerosol Particles

Recent DOE SBIR/STTR Solicitation

Solicitation	SBIR	STTR
Release Date	October 15, 2002	
Closing Date	January 14, 2003	
Award Selection	May 16, 2003	
FY 2002 Budget	**$94M(2.5%)**	**$5.6M(0.15%)**
FY 2002 Awards		
Phase I	231($100K)	18($100K)
Phase II	100($750K)	11($500K)

BER SBIR/STTR

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- LSD: Marvin Stodolsky
- MSD: “PC” Srivastava
- CCRD: Rickey Petty
- ERSD: Brendlyn Faison

6. ATMOSPHERIC MEASUREMENT TECHNOLOGY

a. Optical Methods for Ultra-Sensitive Trace Gas Measurements

CO, ethene, acetylene, NO, NO_2, NO_3, nitric acid, formaldehyde, acetaldehyde, sulfur dioxide, nitrous acid, nitrous oxide, isoprene, methacrolein, methyl vinyl ketone, methyl nitrate, hydrogen peroxide, peroxyacetyl nitrate, methyl hydroperoxide, and peracetic acid.

b. DIAL Water Vapor Profiling System

c. High Accuracy Absolute Measurement of Infrared Radiation at the Surface

d. Instrumentation for Characterizing Organic Substances in Aerosol Particles

Grant applications are sought to develop instrumentation for real-time measurements that will: (1) provide accurate estimates of both mass and speciation of organic matter as a function of particle size; (2) detect the changing degree of oxygenation of the organics in aerosols, in order to evaluate the photochemical evolution of the organic aerosol; or (3) identify isotopic and molecular-level tracers of primary and secondary organic carbon, in order to help understand the origins of the fine particulate matter.

SBIR/STTR Contact Information

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